

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PERIODIC CALIBRATION FOR COMMUNICATION CHANNELS BY DRIFT TRACKING**, the specification of which is being filed herewith.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a) which states in relevant part: "Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section....The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98."

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), and under §119(e) of any United States provisional application(s), listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Patented, Pending, Abandoned)</u>
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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and to file, prosecute and to transact all business in connection with international applications directed to said invention:

Mark A. Haynes	-	Reg. No. 30,846
Ernest J. Beffel, Jr.	-	Reg. No. 43,489
Warren S. Wolfeld	-	Reg. No. 31,454
James F. Hann	-	Reg. No. 29,719
Bill Kennedy	-	Reg. No. 33,407
Kent M. Richardson	-	Reg. No. 39,443
Paul M. Anderson	-	Reg. No. 39,896
Paula J. Tostado	-	Reg. No. 40,691
Jose G. Moniz	-	Reg. No. 50,192

Address all correspondence to:

CUSTOMER NO. 38342

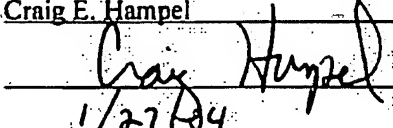
Rambus, Inc. c/o Haynes Beffel & Wolfeld LLP
P.O. Box 366
Half Moon Bay, CA 94019

Direct all telephone calls to Mark A. Haynes at (650) 712-0340.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first

joint inventor, if any: Craig E. Hampel

Inventor's signature: 

Date: 1/27/04

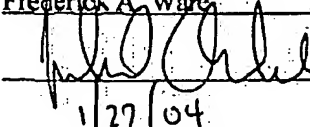
Citizenship: US

Residence: San Jose, California

Post Office Address: 5927 Dunn Avenue, San Jose, CA 95123

Full name of second

joint inventor, if any: Frederick A. Ware

Inventor's signature: 

Date: 1/27/04

Citizenship: US

Residence: Los Altos Hills, California

Post Office Address: 13961 Fremont Pines Lane, Los Altos Hills, CA 94022

Full name of third
joint inventor, if any: Richard E. Perego

Inventor's signature: Richard E. Perego

Date: 1/27/2004

Citizenship: US

Residence: San Jose, California

Post Office Address: 5938 Pala Mesa Drive, San Jose, CA 95123

DOCKET NO. RBUS 1309-1 (RA309.P.US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Craig E. Hampel et al.

Application No. _____

Filed: herewith

Title: **Periodic Calibration for Communication
Channels by Drift Tracking**

Group Art Unit: unknown
Examiner: unknown

CUSTOMER NO.: 38342

**POWER OF ATTORNEY BY ASSIGNEE TO EXCLUSION OF INVENTOR
UNDER 37 C.F.R. § 3.71 WITH REVOCATION OF PRIOR POWERS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned ASSIGNEE of the entire interest in the above-identified application for letters patent hereby appoints:

Mark A. Haynes	-	Reg. No. 30,846
Ernest J. Beffel, Jr.	-	Reg. No. 43,489
Warren S. Wolfeld	-	Reg. No. 31,454
James F. Hann	-	Reg. No. 29,719
Bill Kennedy	-	Reg. No. 33,407
Kent M. Richardson	-	Reg. No. 39,443
Paul M. Anderson	-	Reg. No. 39,896
Paula J. Tostado	-	Reg. No. 40,691
Jose G. Moniz	-	Reg. No. 50,192

to prosecute this application and transact all business in the United States Patent and Trademark Office in connection therewith and hereby revokes all prior powers of attorney; said appointment to be to the exclusion of the inventors and the inventors' attorneys in accordance with the provisions of 37 C.F.R. §3.71.

DOCKET NO. RBUS 1309-1 (RA309.P.US)

The following evidentiary documents establish a chain of title from the original owner to the Assignee:

- ___ a copy of an Assignment attached hereto, which Assignment has been (or is herewith) forwarded to the Patent and Trademark Office for recording; or
- ___ the Assignment recorded on _____ at reel _____, frames _____.

Pursuant to 37 C.F.R. § 3.73(b) the undersigned Assignee hereby states that evidentiary documents have been reviewed and hereby certifies that, to the best of Assignee's knowledge and belief, title is in the identified ASSIGNEE.

Direct all telephone calls to Mark A. Haynes at (650) 712-0340.

Address all correspondence to:

Customer Number 38342

Rambus, Inc. c/o HAYNES BEFFEL & WOLFELD LLP
P.O. Box 366
Half Moon Bay, CA 94019
(650) 712-0340 (phone)
(650) 712-0263 (fax)

Date: 1/27/04

ASSIGNEE: **RAMBUS, INC.**

Signature: _____

Name: _____

Title: _____

John D. Danforth

Senior Vice President &
General Counsel